

1002558-11401

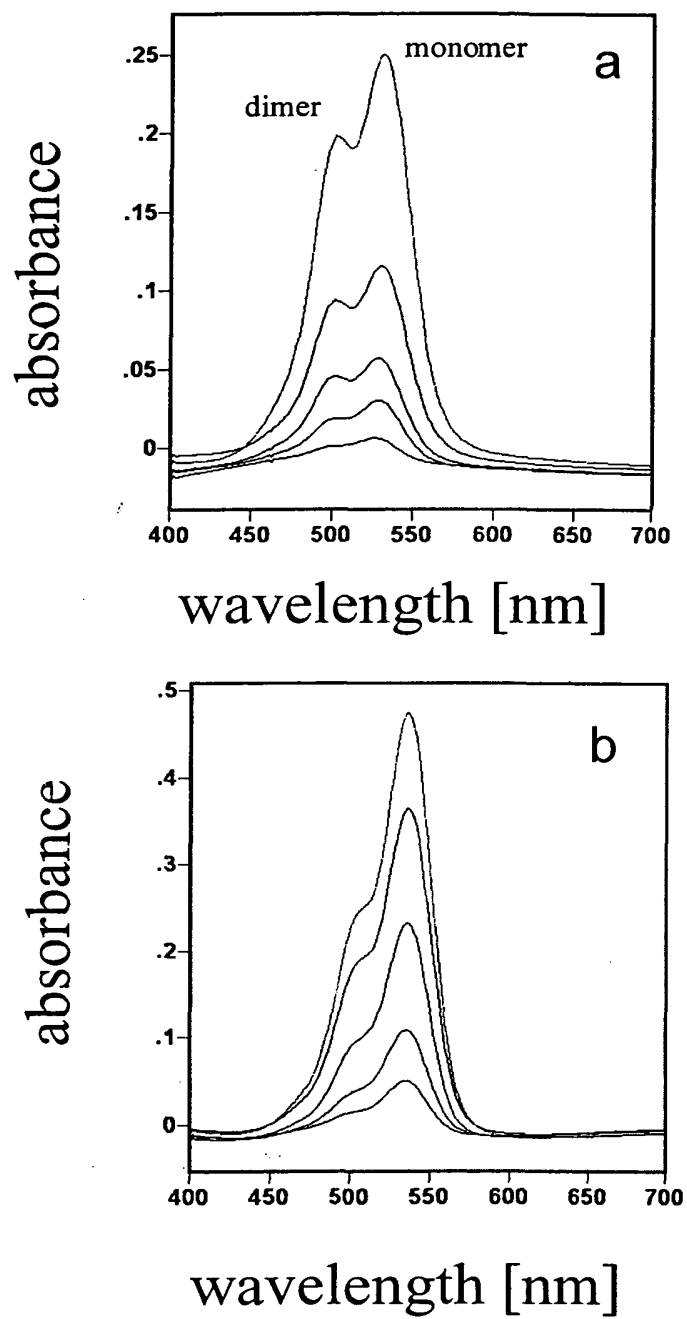


Fig. 1

1002966-111401

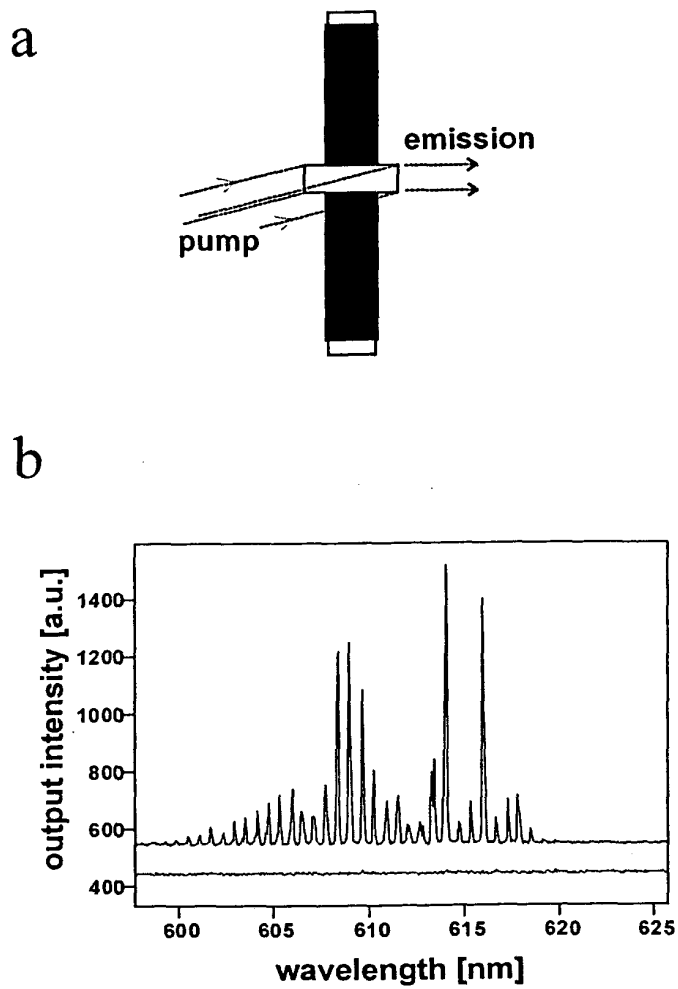
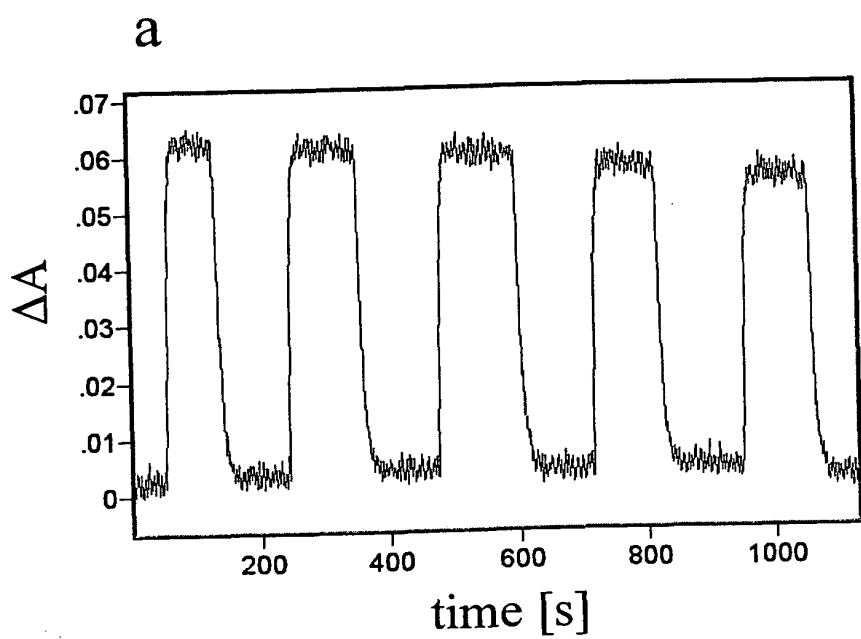
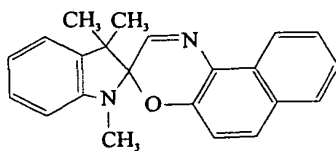


Fig. 2

1002968-11101



b



1,3-Dihydro-1,3,3-trimethylspiro[2H-indole-2,3'-[3H]naphth[2,1-b][1,4]oxazine]

Fig. 3

10005959.11404  
104411 2562001

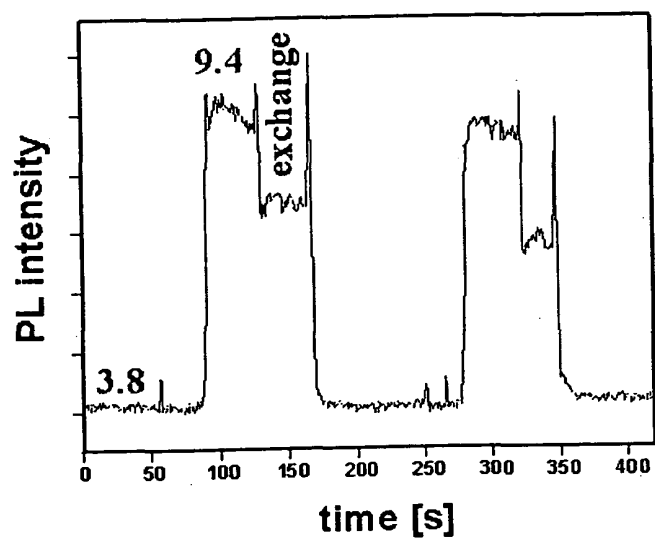


Fig. 4

10002968-11401

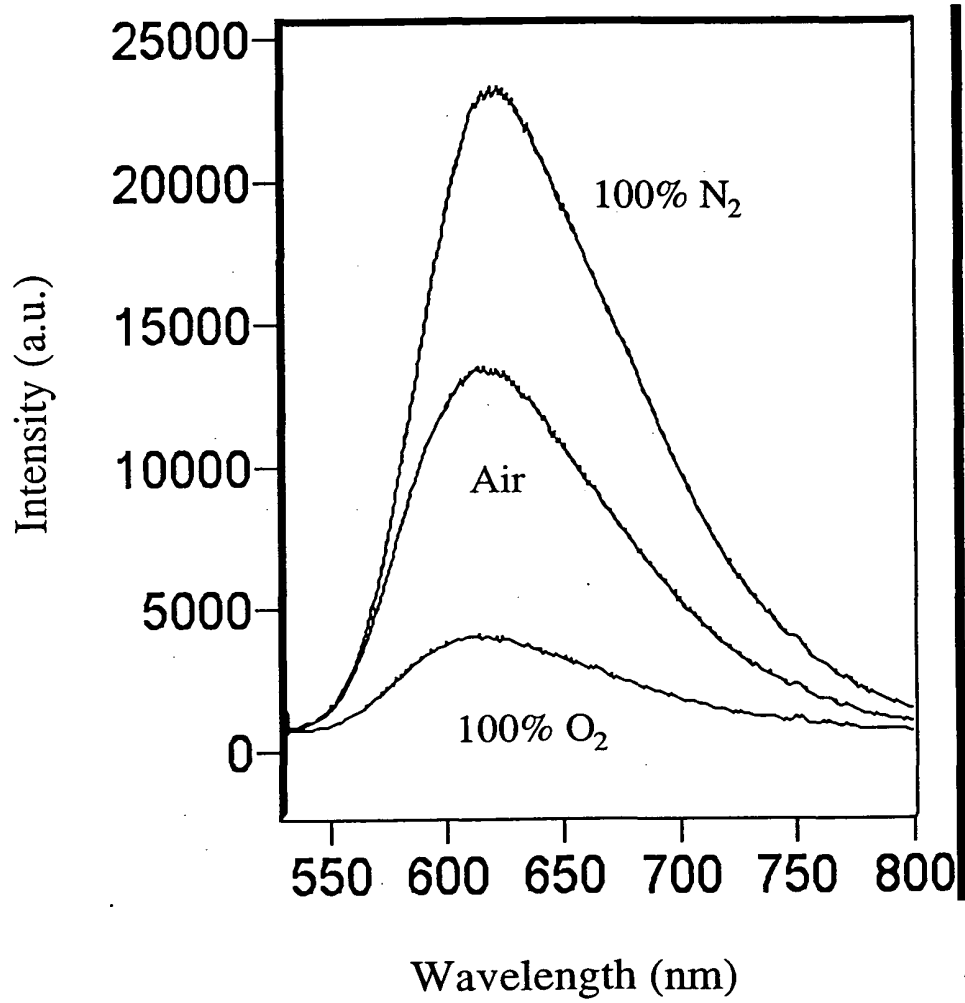
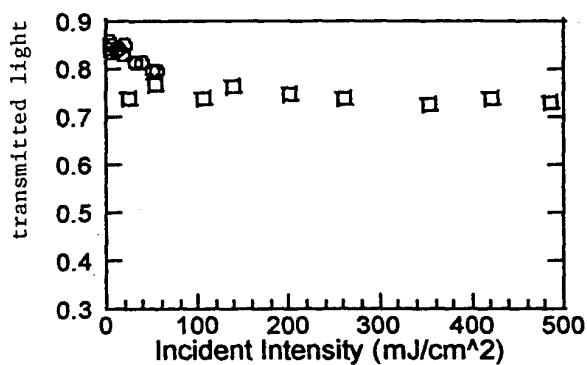
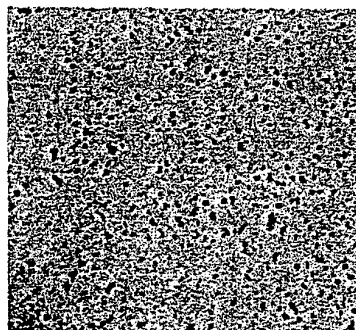


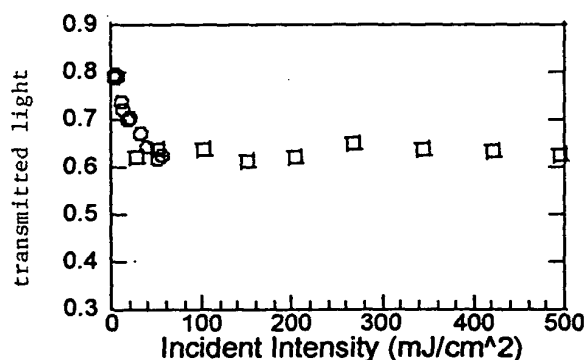
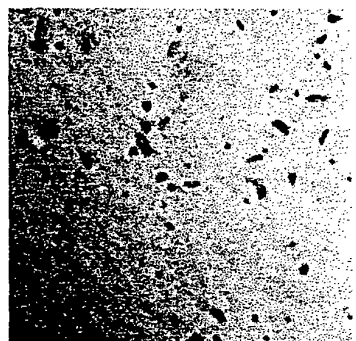
Fig. 5

# Optical Limiting in Porphyrin-Doped Composites

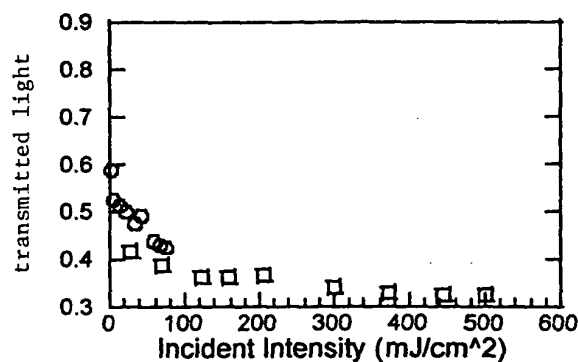
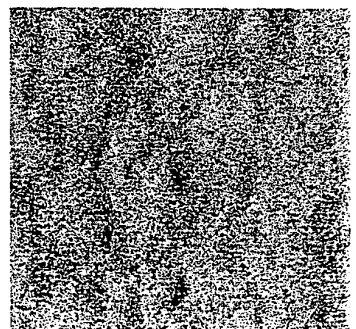
0 wt% F127, [TPP] =  $2 \times 10^{-3}$  Molar



50 wt% F127



60 wt% F127



~2 mm

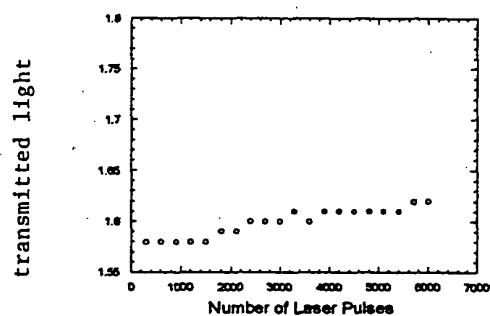
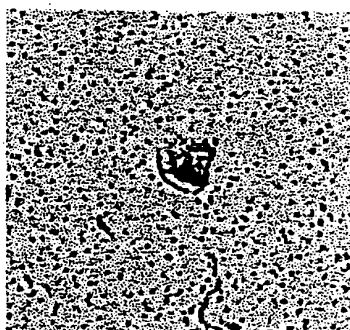
Fig. 6a

10002968-11401

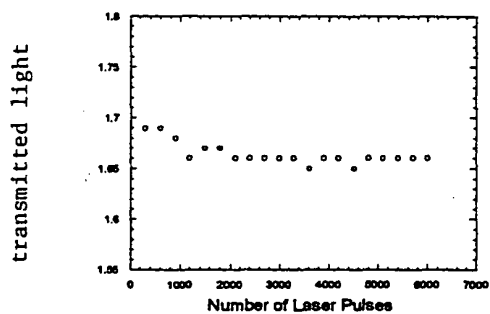
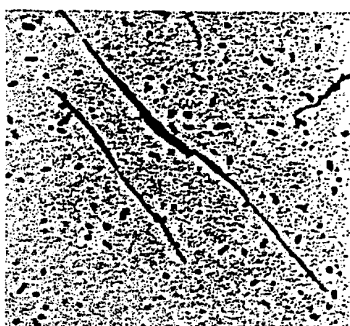
# Damage Thresholds

498 mJ/cm<sup>2</sup> per pulse at 532nm

0 wt% F127



50 wt% F127



60 wt% F127

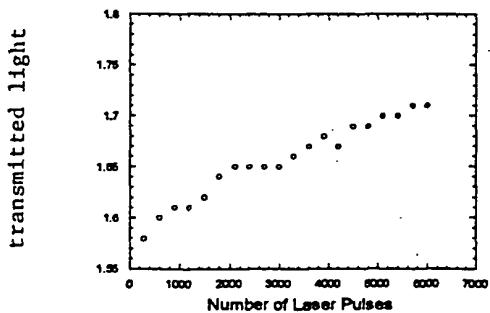


Fig. 6b

10003968-11401

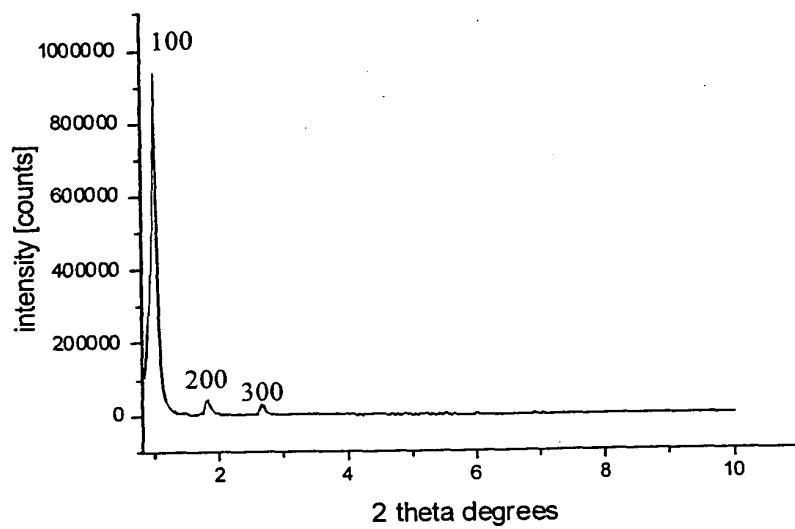


Fig. 7



10002968.11101

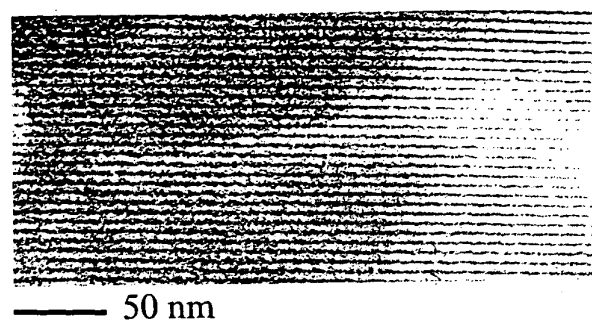
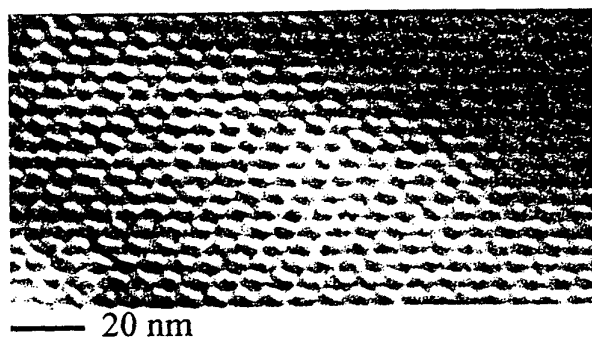


Figure 8

10002968-11401

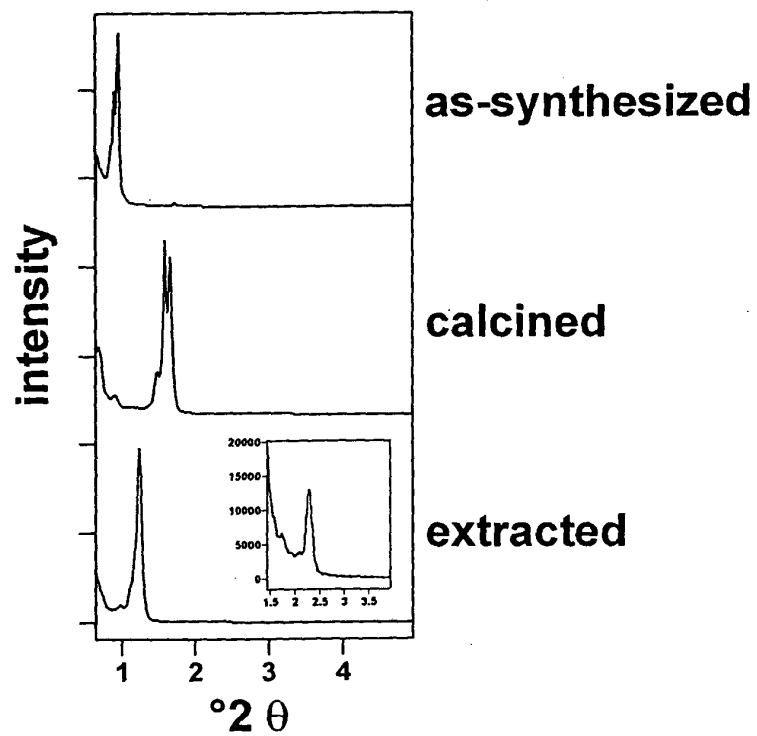


Fig. 9

10002968.41401

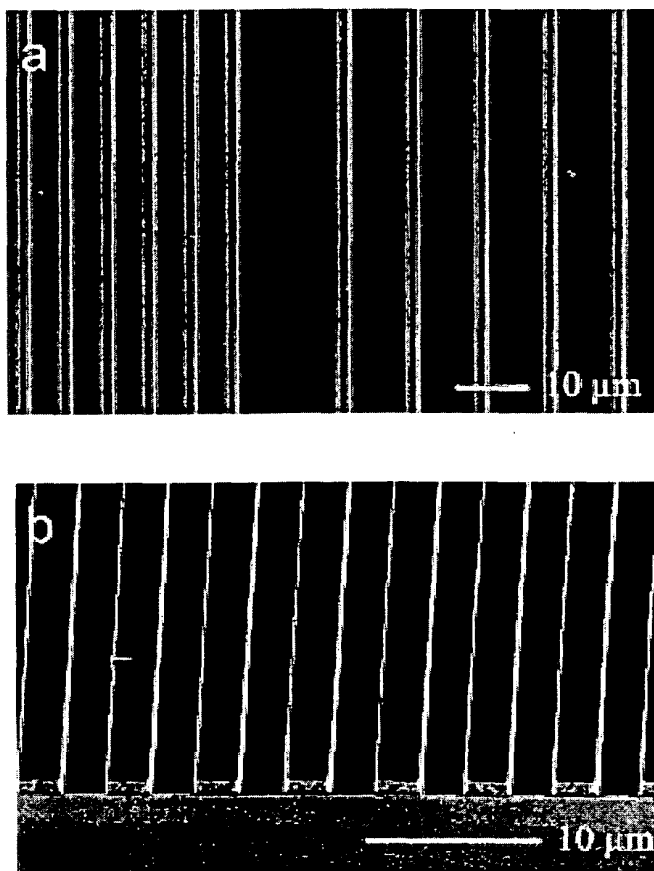


Fig.10

1000996 1140

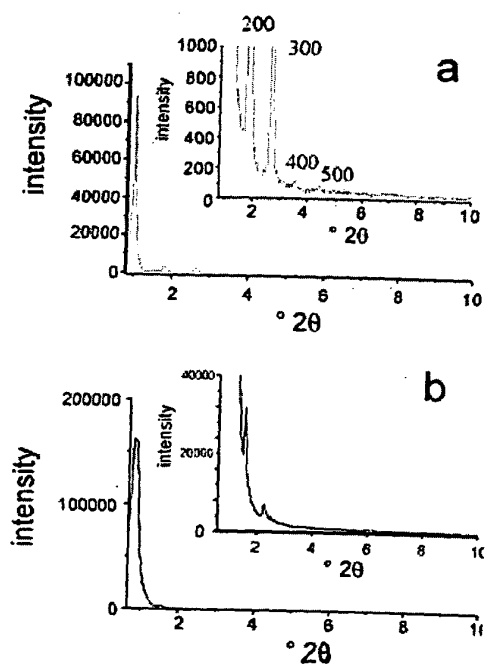
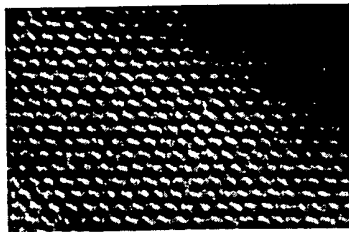


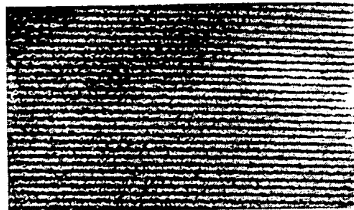
Fig. 11

10002968-111401

A

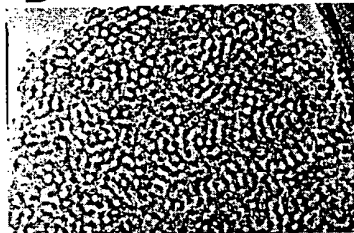


— 20

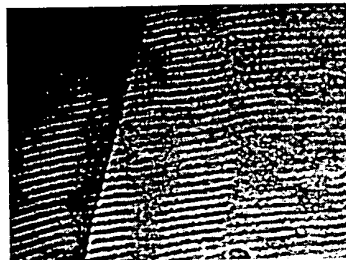


— 50

B



— 50



— 50

Fig. 12

10002568.11401

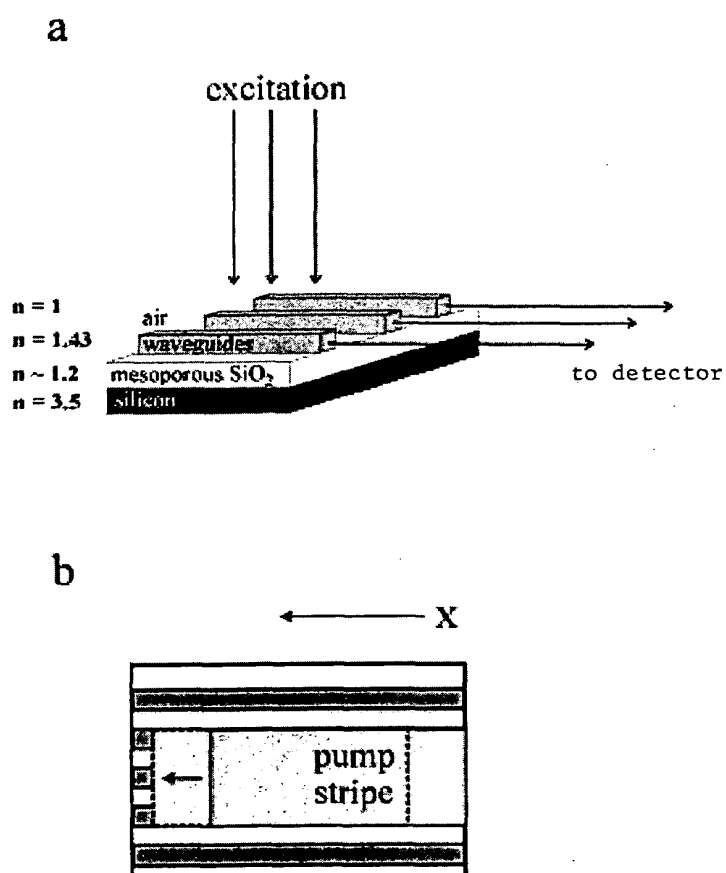


Fig.13

100968-89620001

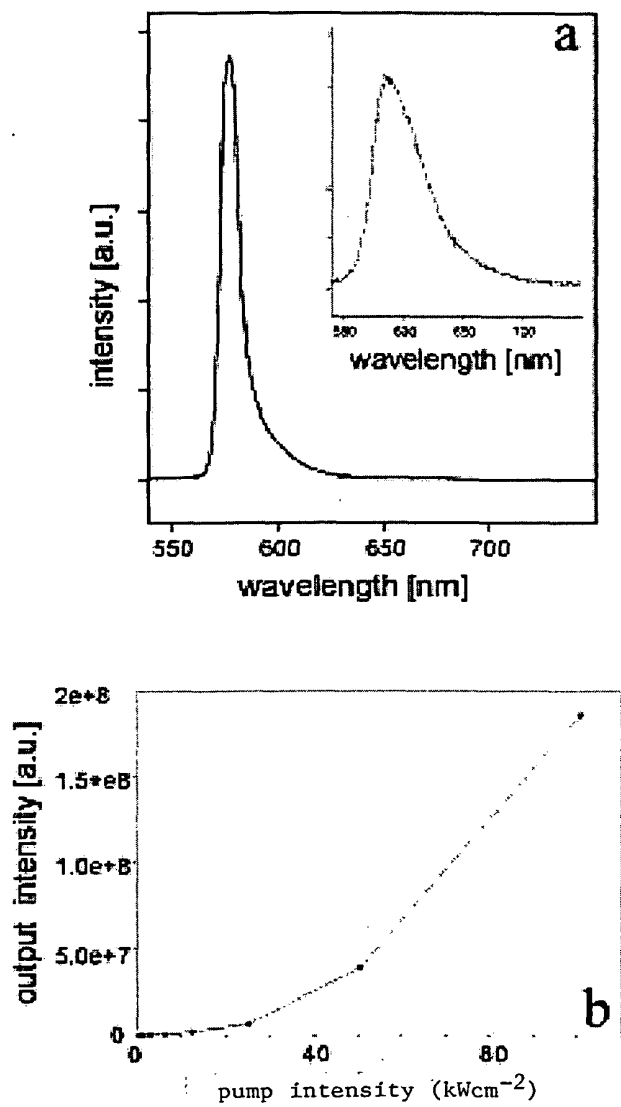


Fig. 14

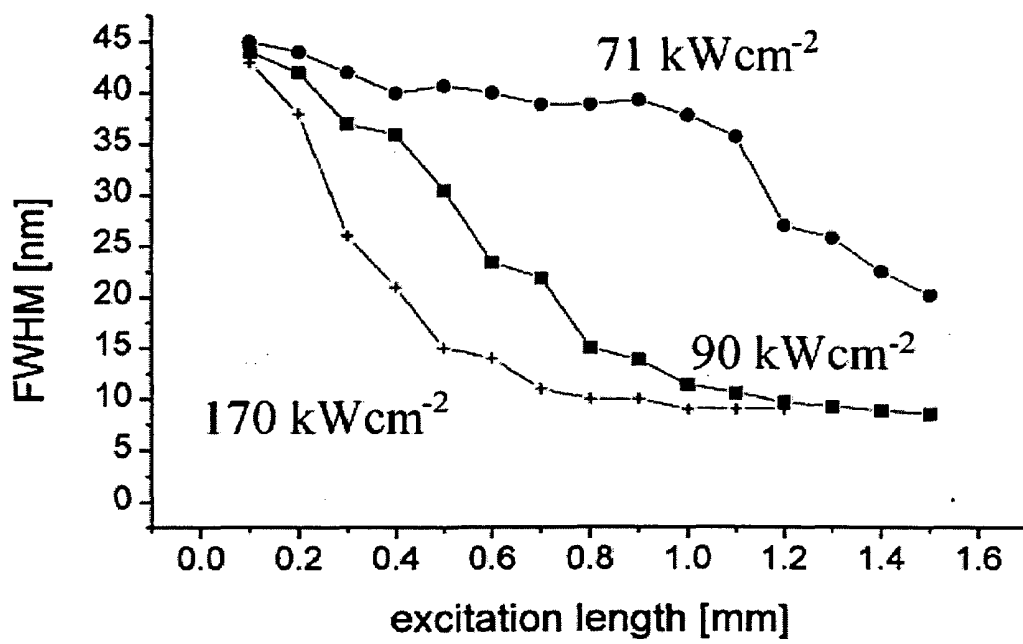


Fig. 15



10002969:11401

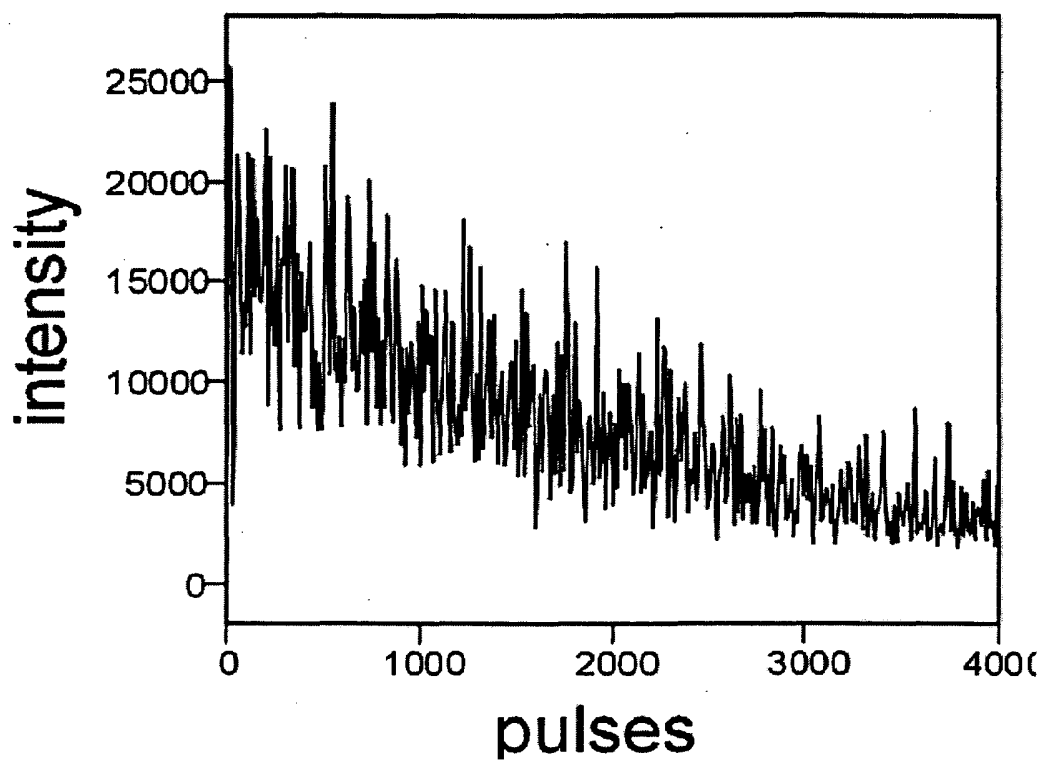


Fig. 16

10002958.111401

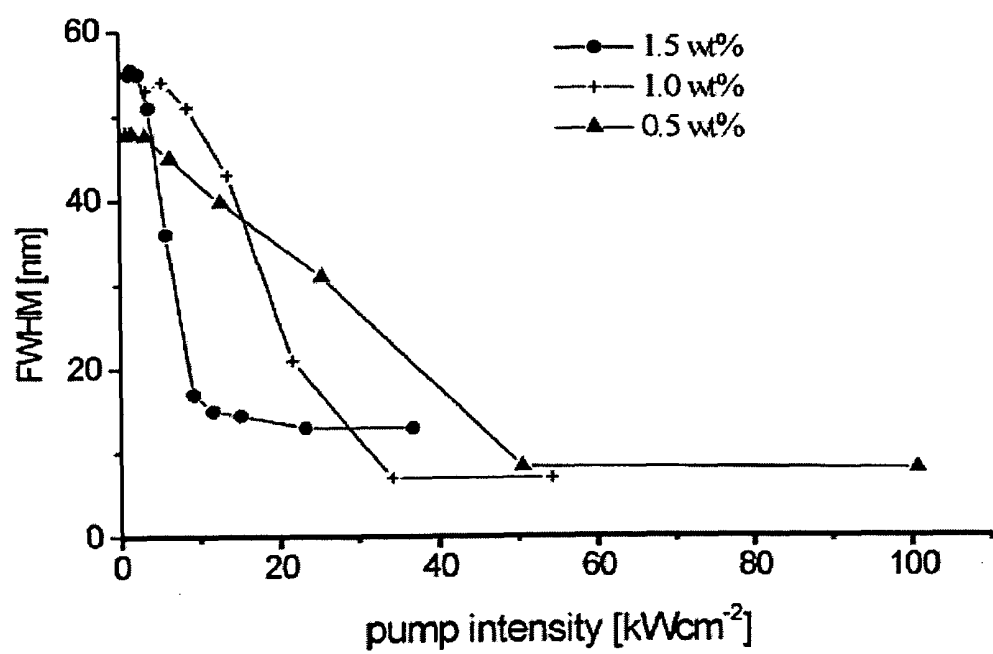


Fig. 17